

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-108291

(43)Date of publication of application : 30.04.1996

(51)Int.Cl.

B23K 26/10
B23K 37/00

(21)Application number : 06-242677

(71)Applicant : MITSUBISHI ELECTRIC CORP

(22)Date of filing : 06.10.1994

(72)Inventor : OKAWA TATSUO

OSANAI HAJIME

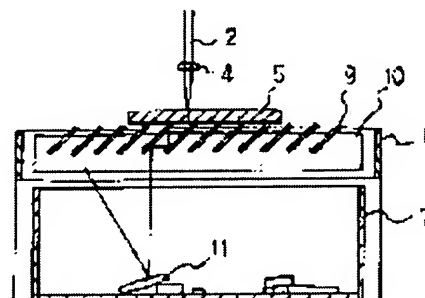
SATO KIYOSHI

(54) WORK SUPPORTING TABLE OF MACHINING EQUIPMENT

(57)Abstract:

PURPOSE: To prevent the burning of a bellows by alternately reflecting a working medium to attenuate the energy of the working medium and prevent the scattering of the secondary reflected beam to the surroundings.

CONSTITUTION: The laser beam 2 converged by a converging lens 4 is converged on a work 5 to cut the work 5. After the cutting, the laser beam passes through the work 5 and is reflected by a slat 9. The reflected laser beam is repeatedly reflected between the adjacent slats 9, and advances to a receiving pan 7 and reflected by a chip 11. In the conventional method, this reflected beam keeps the large energy. However, the laser beam is alternately reflected between the slats 9 and advances to the receiving pan 7, and when the laser beam reaches the receiving pan 7, the energy of this laser beam is fairly reduced. Thus, even if the laser beam is brought into contact with the chip 11 and reflected thereby, it does not come out of the receiving pan 7.



LEGAL STATUS

[Date of request for examination]

22.12.1999

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3175497

[Date of registration] 06.04.2001

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office